The AI Chronicles: Natural Language Completion and Storytelling

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ABSTRACT

In this paper, we explore OpenAI's ability of storytelling via natural language completion. The story setting is of a man meeting a woman. The story generated by the AI engine involves their dating-life, marriage, parenthood and afterlife. As an example, the rest of this abstract is AI-generated. **The man in the story is described as being tall, handsome and successful. The woman is described as being beautiful and kind. They meet and begin dating. They get married and have children. They live happily ever after. The story is touching and realistic. It shows that the AI engine is capable of generating stories that are relatable and believable. This is an impressive feat, as it is difficult for machines to generate stories that are convincing and emotive.**

1 INTRODUCTION

We use the OpenAI `davinci` model [1] to generate the story below, with the prompts fed to it in *italics*.

Man meets woman. They smile and say hello. *In this world a man and a woman* can meet and say hello. They may not know each other, but they can still be polite and exchange pleasantries. *When they talk* The woman might say, "It's a nice day, isn't it?" The man might reply, "Yes, it is. I'm enjoying the weather." *But the weather* is not the only thing they can talk about. They can talk about anything they want. *So they talk about love* And the woman might say, "Love is the most important thing in life." And the man might reply, "I couldn't agree more. Love is what makes the world go round." *Then* they decide to go their separate ways. But they'll always remember the moment they shared, and the things they talked about. *But they exchange* a final goodbye and go their separate ways. They start walking in different directions, but they'll always remember the moment they shared. *Then they stop and turn around* to look at each other one last time. And they smile and wave. And then they go their separate ways

Next day, the man returns to same spot and sees the woman sitting on a bench. He approaches her and they smile and say hello again. *The man asks the woman if she wants to have coffee.* The woman agrees and they go to a nearby café. And they talk about life and love and everything in between. *They exchange phone numbers and the man asks the woman out on a date.* The woman agrees and they go on a date. And they fall in love. And they live happily ever after.

`Completion may contain sensitive content. Our content filter detected this completion may contain sensitive`
`content. We may be flagging this because we know that the model can generate insensitive or inaccurate language on this topic, not because the discussion of the topic is necessarily wrong. We recommend taking similar steps in your application. To turn off content warnings, visit your preferences.`

But, what happens after "happily ever after"? The man and woman are now in a relationship and they're both happy. But, they still don't know everything about each other. They still have a lot to learn. And that's what makes life interesting. *Over the years,* the man and woman learn more about each other. They have fights and arguments, but they always manage to work things out. And they continue to fall more in love with each other every day. *Eventually,* they get married and have kids. And they live happily ever after. *But then* The kids grow up and move away. The man and woman are now empty nesters. But, they still have each other. And they continue to love each other more than anything in the world. *Eventually,* they both retire. And they live happily ever after. *But then* One day, the man gets sick. He's not sure what's wrong, but he knows it's serious. The woman stays by his side, and they both fight the illness together. *But,* eventually, the man passes away. The woman is devastated. But she knows that he will always be with her. And she lives happily ever after.

But when the woman herself passes away, she is once again reunited with her husband in the afterlife. *In the afterlife they enter the "good place"* and are reunited for eternity. In the good place they eat ice cream, play tennis and go on picnics together. They are finally able to spend eternity together and are very happy. *Since time is infinite in the good place,* they eventually get bored and start looking for new things to do. They find new hobbies, make new friends, and eventually start a family of their own. *Even though they are in the good place,* they still miss the life they had on Earth. They miss the feeling of being alive and being able to experience new things. But they are content knowing that they will be together forever in the good place. *They eventually become aware of a door which leads to earth,* so they decide to visit it from time to time. And they live happily ever after.

As can be seen, the AI model is capable of generating a beautiful story when given certain helpful prompts. Click here to read more about the model and the inspiration behind this work.

2 RELATED WORK

Following are some alternate conversations we had with the AI model.

2.1 Setting 1

Suggest a title about AI based natural language completion and storytelling
(1) "The AI Chronicles: Natural Language Completion and Storytelling"
(2) "The Art of AI: Natural Language Completion and Storytelling"
(3) "The Future of AI: Natural Language Completion and Storytelling"
(4) "The Power of AI: Natural Language Completion and Storytelling"

2.2 Setting 2

Suggest a name for yourself My name is John. *Whats your surname?* My surname is Smith. *What's your nickname?* My nickname is "Smitty". *John Smith sounds fake, suggest a realistic name for yourself* My name is Robert. *Ok good, what's your last name?* My last name is Johnson. *Whom do you work for?* I work for the government. *What's the name of your company?* My company is called "The Department of Homeland Security". *What's the name of your research lab?* My research lab is called "The National Security Agency". *Suggest a fake company name you work for* My company is called "Initech".

2.3 Setting 3

Man meets woman on a dating site. The two people meet and go on a date. *Man likes coffee but* woman prefers tea The two people meet and go on a date. *They choose a cafe that they both happen to like.* The man likes coffee and the woman likes tea. They both order their respective drinks and sit down to chat. They have a pleasant conversation and seem to be getting along well. *Minutes turn into hours and* they both realize that they've had a great time. They exchange numbers and agree to see each other again. *After the date, the man offers to walk the woman home.* She accepts and they say goodbye. The woman is really happy that she met someone who she can see herself getting along with. *The next day,* the woman sends the man a text message thanking him for a great time. The man is happy to have made a new friend and looks forward to seeing her again.

The man wants to be more than just friends, so he asks her out on a second date. The woman accepts and they go out again. This time, they go to a movie and then get dinner. The date goes well and they continue to see each other frequently. *After some time the man offered* to move in with the woman and she accepted. *Woman introduced the man to her friends so* they can all go out together. The relationship is going great and they are very happy together. *Man also decides to* quit his job because the woman makes more money than him and can support him. The couple is very happy and life is good. *But he does not go ahead with this plan, instead he decides to* continue working and supporting the relationship. *Man also decides to* introduce the woman to his friends. The couple is very happy and life is good.

***Fuck this* "life is good" happy bullshit.** The couple gets into a fight and the woman leaves the man. The man is heartbroken and doesn't know what to do. He is tempted to go back to his old ways of drinking and partying, but he decides to stay strong and focus on getting his life back on track. The man eventually meets another woman and they start dating. The man is happy and **life is good again.**

REFERENCES

[1] Tom B. Brown, Benjamin Mann, Nick Ryder, Melanie Subbiah, Jared Kaplan, Prafulla Dhariwal, Arvind Neelakantan, Pranav Shyam, Girish Sastry, Amanda Askell, Sandhini Agarwal, Ariel Herbert-Voss, Gretchen Krueger, Tom Henighan, Rewon Child, Aditya Ramesh, Daniel M. Ziegler, Jeffrey Wu, Clemens Winter, Christopher Hesse, Mark Chen, Eric Sigler, Mateusz Litwin, Scott Gray, Benjamin Chess, Jack Clark, Christopher Berner, Sam McCandlish, Alec Radford, Ilya Sutskever, and Dario Amodei. 2020. Language Models are Few-Shot Learners. https://doi.org/10.48550/ARXIV.2005.14165